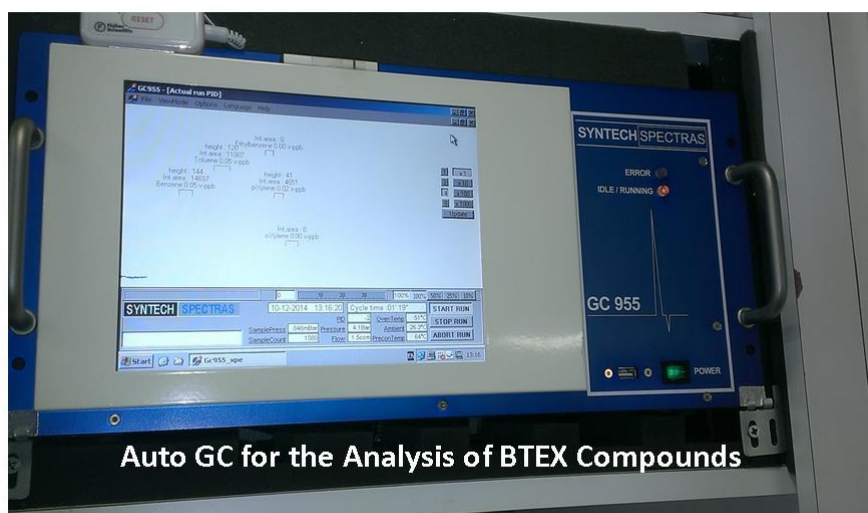


# Delaware Division of Air Quality

## 2015

### Air Toxics Strategic Plan

### Mid-year Status Detailed Report (January through June 2015)



**Delaware**  
**Division of Air Quality**  
**2015 – 2019 Air Toxics Strategic Plan**

**The Air Toxics Strategic Plan (ATSP) is a five-year plan of activities to be undertaken by the Division of Air Quality (DAQ) and its partners to reduce the risk of adverse health effects caused by the inhalation of air toxics. The 2015 - 2019 ATSP, finalized on December 30, 2014, is organized within the following strategic components.**

- **Implement appropriate actions to reduce the harm from exposure to air toxics**
- **Evaluate the effectiveness of the actions taken to reduce harm from exposure to air toxics**
- **Identify options for reducing air toxics in the environment**
- **Build a greater understanding of ambient air toxics in the environment**
- **Identify the potential harm from exposure to air toxics**
- **Gather information related to air toxics sources**
- **Continue to grow the ongoing program to address the risks from exposure to air toxics**
- **Enhance DAQ Air Toxics Resources**

## ACRONYMS

<b>AQS</b>	<b>EPA's Air Quality System Database</b>
<b>AQP</b>	<b>Air Quality Partnership</b>
<b>ATSP</b>	<b>Air Toxics Strategic Plan</b>
<b>BTEX</b>	<b>Benzene, Toluene, Ethyl benzene &amp; Xylenes</b>
<b>CAA</b>	<b>Clean Air Act</b>
<b>CFR</b>	<b>Code of Federal Regulations</b>
<b>CMAQ</b>	<b>Congestion Mitigation and Air Quality Improvement Program</b>
<b>CY</b>	<b>Calendar Year</b>
<b>DAQ</b>	<b>Delaware Division of Air Quality</b>
<b>DCR</b>	<b>Delaware City Refinery</b>
<b>DelDOT</b>	<b>Delaware Department of Transportation</b>
<b>DELJIS</b>	<b>Delaware Criminal Justice Information System</b>
<b>DENs</b>	<b>Delaware Environmental Navigator</b>
<b>DERA</b>	<b>Diesel Emissions Reduction Act</b>
<b>DMV</b>	<b>DelDOT's Division of Motor Vehicles</b>
<b>DNREC</b>	<b>Delaware Department of Natural Resources and Environmental Control</b>
<b>DPH</b>	<b>Division of Public Health</b>
<b>DOJ</b>	<b>Delaware Department of Justice</b>
<b>DVRPC</b>	<b>Delaware Valley Regional Planning Commission</b>
<b>EGU</b>	<b>Electrical Utility Steam Generating Unit</b>
<b>EPA</b>	<b>U. S. Environmental Protection Agency</b>
<b>EPA R3</b>	<b>EPA's Region 3 Office</b>
<b>FCE</b>	<b>Full Compliance Evaluation</b>
<b>FY</b>	<b>Fiscal Year</b>
<b>GACT</b>	<b>Generally Achievable Control Technology</b>
<b>GDF</b>	<b>Gasoline Dispensing Facility</b>
<b>GDV</b>	<b>Gasoline Delivery Vessel</b>
<b>HAPs</b>	<b>Hazardous Air Pollutants</b>
<b>I/M</b>	<b>Inspection and Maintenance</b>
<b>IMO</b>	<b>International Maritime Organization</b>
<b>LEV/ZEV</b>	<b>Low Emissions Vehicle/Zero Emissions Vehicle</b>
<b>MACT</b>	<b>Maximum Achievable Control Technology</b>
<b>MARAMA</b>	<b>Mid-Atlantic Regional Air Management Association</b>
<b>MARPOL</b>	<b>Marine Pollution, related to Environmental Conventions developed by the IMO</b>
<b>MPO</b>	<b>Metropolitan Planning Organization</b>
<b>NACAA</b>	<b>National Association of Clean Air Agencies</b>
<b>NATA</b>	<b>National Air Toxics Assessment</b>
<b>nPB</b>	<b>Normal propyl bromide</b>
<b>OTC</b>	<b>Ozone Transport Commission</b>
<b>PVC</b>	<b>Polyvinyl chloride</b>
<b>QA/QC</b>	<b>Quality Assurance and Quality Control</b>
<b>RTR</b>	<b>Risk and Technology Reviews</b>
<b>SmartWay</b>	<b>EPA's SmartWay Transport Partnership</b>
<b>TCI</b>	<b>Transportation &amp; Climate Initiative</b>
<b>USCG</b>	<b>United States Coast Guard</b>
<b>UST</b>	<b>Underground Storage Tank</b>
<b>VOC</b>	<b>Volatile Organic Compound</b>
<b>WILMAPCO</b>	<b>Wilmington Area Planning Council</b>
<b>WTS</b>	<b>Gas Chromatograph manufacturer</b>

## **2015 Air Toxics Strategic Plan – Mid-year *Detailed* Status Report**

2015	<b>Implement appropriate actions to reduce the harm from exposure to air toxics</b>	<b>6/30/15 Status</b>	<b>Expected Completion</b>
<b>New</b>	1. Promote the implementation of mobile source diesel emission reduction projects.		
	a. Administer projects under the Federal Diesel Emission Reduction Act Grant Program		
	i. Competitive Grant (EPA FY14) – Support MARAMA’s grant at the Port of Wilmington.	<ul style="list-style-type: none"> <li>• MARAMA received the DERA FY14 grant award for an emission reduction project accomplished through a dray truck replacement program</li> <li>• Delaware’s portion of the project includes 2 drayage truck replacements at the Port of Wilmington; however, only 1 potential truck replacement has been identified to date</li> </ul>	• 4Q/15
	ii. State Grant (EPA FY15) – Purchase Tier 4 Street Sweeper for DelDOT.	<ul style="list-style-type: none"> <li>• The Maintenance and Operations Section at DelDOT renegotiated the cost of street sweeper. As a result,               <ul style="list-style-type: none"> <li>• Federal portion of the total cost was reduced to \$97,830 (vs. \$114,395)</li> <li>• Matches (sweeper match and DNREC’s admin match) was reduced to \$109,890 (vs. \$128,360)</li> </ul> </li> <li>• The purchase order was executed on Apr. 28</li> <li>• The street sweeper should be delivered by Sep. 15</li> </ul>	• 12/31
	iii. Competitive Grant (EPA FY15) – Support MARAMA’s grant at the Port of Wilmington.	<ul style="list-style-type: none"> <li>• MARAMA submitted the DERA FY15 competitive grant proposal by the Jun. 15 deadline.</li> <li>• Delaware was not included in the proposal, which only included ports in Baltimore, Philadelphia, and Norfolk</li> </ul>	- - -
	iv. Continue to identify potential vehicles/projects for diesel emission reduction.	<ul style="list-style-type: none"> <li>• Identified 3 potential diesel emission reduction projects for consideration in future grant applications</li> <li>• Replace the diesel propulsion engine on a Wilmington Tug vessel with an auxiliary diesel powered electric generator (genset)</li> <li>• Install a shore air system to maintain the brake system air pressure to eliminate up to 20 hours of railroad locomotive idling per day for up to 9 month period</li> <li>• Establish an anti-idling outreach campaign at Delaware schools</li> </ul>	• Ongoing
	b. Establish the “Smoking Vehicle Reduction Program”, if implementation is warranted and funding obtained.	• No activity during this period.	• Unknown

## **2015 Air Toxics Strategic Plan – Mid-year Detailed Status Report**

2015	<b>Implement appropriate actions to reduce the harm from exposure to air toxics</b>	<b>6/30/15 Status</b>	<b>Expected Completion</b>
	1. Promote the implementation of mobile source diesel emission reduction projects.		
	c. Continue to support of EPA's SmartWay Transport programs.		
	i. Continue to monitor usage of kiosk service systems at diesel truck electrification sites.	<ul style="list-style-type: none"> <li>• CabAire, the operator of Delaware's two truck stop electrification locations (I-95 Service Plaza and Smyrna Rest Area) notified Delaware in January that it had filed for Chapter 7 bankruptcy</li> <li>• CabAire is seeking to transfer the continued operation to DelDOT</li> </ul>	• Ongoing
	ii. Continue to monitor and report on activities conducted in support of the SmartWay Transport programs, as appropriate.	• DAQ staff began the application process for Delaware to provide greater support by becoming a SmartWay Transport Affiliate	• Ongoing
	2. Insure continued or improved compliance of stationary sources.		
	a. Continue to evaluate and realign Engineering and Compliance's assignments, organization structure and protocols to better address risk-based air toxics programs, as needed.	• No activity during this period	• Ongoing
	b. Continue to evaluate and realign Area Source Compliance's assignments and organization structure to better address risk-based air toxics programs, as needed.	• Due to replacement of park and ride surveys with use of DELJIS data, the group's vacant position was permanently dropped in 2015	• Ongoing
	c. Continue to implement the Asbestos Demolition/Renovation Program.		
	i. Monitor and maintain the Delaware Online Asbestos Notification System (DOANS).	<ul style="list-style-type: none"> <li>• Continued to               <ul style="list-style-type: none"> <li>• Edit the active user database</li> <li>• Provide data entry for new notifications</li> </ul> </li> </ul>	• Ongoing
	ii. Educate the public, certified contractors, professional service firms, and government agencies on the proper removal and disposal of asbestos.	<ul style="list-style-type: none"> <li>• Continued to provide guidance on the proper removal and disposal of asbestos to the public on case-by-case basis</li> <li>• Continued to provide pertinent information to all three counties               <ul style="list-style-type: none"> <li>• State Service Centers</li> <li>• Appropriate county building (i.e. building permits; building code compliance, etc.)</li> </ul> </li> <li>• Continuing to work with the Small Business Ombudsman to expand the outreach program and targets</li> </ul>	• Ongoing  • Ongoing  • Ongoing
	iii. Respond to incidences of improper disposal of asbestos containing wastes.	• Responded to 4 incidences; initiated and coordinated cleanup and proper disposal during this period	• Ongoing
	iv. Respond to incidences of improper management of projects potentially involving asbestos-containing materials.	• Responded to 103 incidences; provided guidance for the proper cleanup and disposal during the period	• Ongoing
	v. Establish asbestos-related information sharing with agencies that issue local or county demolition permits.	• No activity this period	• Ongoing

## **2015 Air Toxics Strategic Plan – Mid-year Detailed Status Report**

2015	<b>Implement appropriate actions to reduce the harm from exposure to air toxics</b>	<b>6/30/15 Status</b>	<b>Expected Completion</b>
	2. Insure continued or improved compliance of stationary sources.		
	d. Take enforcement against gasoline dispensing facilities that are non-compliant with Stage I and Stage II requirements.	<ul style="list-style-type: none"> <li>• One (1) enforcement actions was taken for non-compliance with vapor recovery requirements during this period</li> </ul>	<ul style="list-style-type: none"> <li>• Ongoing</li> </ul>
	e. Incorporate updated MACT and Residual Risk requirements in air permits.		
	i. Renew expiring Title V permits to incorporate newly promulgated MACT and Residual Risk standards, as needed.	<ul style="list-style-type: none"> <li>• Completed 2 Title V permit renewal during this period               <ul style="list-style-type: none"> <li>• Delaware City Refinery</li> <li>• Chemours - Edgemoor</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Ongoing</li> </ul>
	ii. Reopen Title V permits for cause to incorporate promulgated MACT and Residual Risk standards consistent with the requirements of Regulation 1130, as needed.	<ul style="list-style-type: none"> <li>• No activity during this period</li> </ul>	<ul style="list-style-type: none"> <li>• Ongoing</li> </ul>
	iii. Incorporate area source standard requirements into natural and synthetic minor source permits, including		
	1. All new installations that are subject to area source standards in Reg. 1138.	<ul style="list-style-type: none"> <li>• No activity during this period</li> </ul>	<ul style="list-style-type: none"> <li>• Ongoing</li> </ul>
	2. All existing miscellaneous parts and products manufacturing facilities determined to be subject to the paint stripping requirements in Reg. 1138 Section 13 and/or the surface coating requirements in Reg. 1138 Section 14.	<ul style="list-style-type: none"> <li>• No existing facilities were identified that required Section 13 or 14 requirements incorporated into their permits</li> </ul>	<ul style="list-style-type: none"> <li>• Ongoing</li> </ul>
	3. IKO to include asphalt processing and asphalt roofing products manufacturing operations requirements in Reg. 1138 Section 16 by 12/31.	<ul style="list-style-type: none"> <li>• No activity during this period</li> </ul>	<ul style="list-style-type: none"> <li>• 12/31</li> </ul>
	4. All existing prepared feed manufacturing facilities subject to requirements of Reg. 1138 Section 17 by 12/31.	<ul style="list-style-type: none"> <li>• The permits for 3 of the 5 existing facilities were amended in 2014</li> <li>• <b>Completed</b> permit amendment for Perdue (Bridgeville) on Feb. 13</li> <li>• <b>Completed</b> permit amendment for Harim (Seaford) on Jun. 12</li> </ul>	<p style="text-align: center;">- - -</p>
	5. Standard Engineering to include the residual risk requirements of the chromium electroplating standard in Reg. 1138 Section 6 and the plating and polishing operations requirements in Reg. 1138 Section 10 by 12/31.	<ul style="list-style-type: none"> <li>• No activity during this period</li> </ul>	<ul style="list-style-type: none"> <li>• 12/31</li> </ul>
	6. Industraplate to include plating and polishing operations requirements in Reg. 1138 Section 10 by 12/31.	<ul style="list-style-type: none"> <li>• No activity during this period</li> </ul>	<ul style="list-style-type: none"> <li>• 12/31</li> </ul>
	7. Procino Plating to include the residual risk requirements of the chromium electroplating standard in Reg. 1138 Section 6 by 12/31.	<ul style="list-style-type: none"> <li>• No activity during this period</li> </ul>	<ul style="list-style-type: none"> <li>• 12/31</li> </ul>

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2015	<b>Implement appropriate actions to reduce the harm from exposure to air toxics</b>	<b>6/30/15 Status</b>	<b>Expected Completion</b>
	2. Insure continued or improved compliance of stationary sources.		
	f. Continue to incorporate Area Source Standard requirements into natural minor source permits, as necessary, for		
	i. New sources subject to perchloroethylene dry cleaning standard (1138 Sect 5).	<ul style="list-style-type: none"> <li>• No new dry cleaning facilities identified during this period; permit under development</li> </ul>	<ul style="list-style-type: none"> <li>• Ongoing</li> </ul>
	ii. Unpermitted existing sources subject to perchloroethylene dry cleaning standard (1138 Sect 5).	<ul style="list-style-type: none"> <li>• No unpermitted existing dry cleaning facilities identified during this period</li> </ul>	<ul style="list-style-type: none"> <li>• Ongoing</li> </ul>
	iii. New sources subject to motor vehicle and mobile equipment surface coating standard (1138 Sect 15).	<ul style="list-style-type: none"> <li>• Two new auto-body shops identified during this period; permits under development</li> </ul>	<ul style="list-style-type: none"> <li>• Ongoing</li> </ul>
	iv. Newly identified existing sources subject to motor vehicle and mobile equipment surface coating standard (1138 Sect 15).	<ul style="list-style-type: none"> <li>• Two unpermitted existing auto-body shops identified during this period; permits under development</li> </ul>	<ul style="list-style-type: none"> <li>• Ongoing</li> </ul>
	g. Review and approve Stage I and Stage II permit applications at gasoline dispensing facilities.	<ul style="list-style-type: none"> <li>• Continued to review and approve, if appropriate, Stage I and Stage II permit applications</li> <li>• During this period, approved the following:               <ul style="list-style-type: none"> <li>• 4 construction permits for 3 facilities and</li> <li>• 13 operating permits for 8 facilities</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Ongoing</li> <li>• Ongoing</li> </ul>
	h. Continue Compliance Assistance Program consistent with the Compliance Assistance Oversight Plan for		
	i. Sources subject to the motor vehicle and mobile equipment surface coating standard (1138 Sect 15); total population is 68 facilities.	<ul style="list-style-type: none"> <li>• <b>Completed</b> 21 compliance assistance visits; some facilities required multiple visits</li> </ul>	<ul style="list-style-type: none"> <li>• Ongoing</li> </ul>
	ii. Sources subject to the perchloroethylene dry cleaning standard (1138 Sect 5); total population is 49 facilities.	<ul style="list-style-type: none"> <li>• <b>Completed</b> 22 compliance assistance visits; some facilities required multiple visits</li> </ul>	<ul style="list-style-type: none"> <li>• Ongoing</li> </ul>
	3. Implement control measures to mitigate unacceptable air toxics impacts, if identified.		
	a. If DAQ identifies a local area or condition that results in unacceptable risk that is specific to a stationary source or sources, identify and convene the appropriate stakeholders to develop an appropriate control technology path forward to address the unacceptable risk.	<ul style="list-style-type: none"> <li>• No areas or conditions of unacceptable air toxics risk identified during this period</li> </ul>	<ul style="list-style-type: none"> <li>• Ongoing</li> </ul>
	b. If DAQ identifies a local area or condition that results in unacceptable risk that is specific to an area source or sources, identify and convene the appropriate stakeholders to develop an appropriate control technology path forward to address the unacceptable risk.	<ul style="list-style-type: none"> <li>• No areas or conditions of unacceptable air toxics risk identified during this period</li> </ul>	<ul style="list-style-type: none"> <li>• Ongoing</li> </ul>

## **2015 Air Toxics Strategic Plan – Mid-year Detailed Status Report**

2015	<b>Implement appropriate actions to reduce the harm from exposure to air toxics</b>	<b>6/30/15 Status</b>	<b>Expected Completion</b>
	3. Implement control measures to mitigate unacceptable air toxics impacts, if identified.		
	c. If DAQ identifies a local area or condition that results in unacceptable risk that needs to be addressed through a regulatory action, identify and convene the appropriate stakeholders to develop an appropriate regulatory path forward to address the unacceptable risk.	• No areas or conditions of unacceptable air toxics risk identified during this period	• Ongoing
	d. If unacceptable air toxics risk associated with mobile sources is identified, develop and implement appropriate educational and reduction program.	• No areas or conditions of unacceptable air toxics risk identified during this period	• Ongoing
	4. Implement other air toxics-related communications and outreach programs.		
	a. Continue to implement a diesel anti-idling educational program.		
	i. Conduct school bus anti-idling outreach programs for schools and report status to EPA R3, as appropriate.	<ul style="list-style-type: none"> <li>• DAQ staff began working in collaboration with WILMAPCO, Air Quality Partnership, and the Nemours Foundation to develop an anti-idling outreach and education program.</li> <li>• DAQ staff met with WILMAPCO, American Lung Association, and approximately 15 K-12 transportation directors statewide</li> <li>• Three school districts expressed interest in learning more about hosting a voluntary anti-idling program at their schools</li> </ul>	• Ongoing
	ii. Conduct anti-idling outreach programs for the trucking industry and report status to EPA R3, as appropriate.	• No activity during this period.	• Unknown
	b. Actively promote the development and implementation of educational programs.		
	i. Continue to provide the daily Air Quality Forecast on the DNREC home page.		
	1. Prepare a Request for Purchase (RFP) for a vendor to provide the daily Air Quality Forecast in 2015 and beyond.	• <b>Completed</b> in February	- - -
	2. Issue contract to appropriate vendor.	• <b>Completed</b> in June	- - -
	ii. Continue working with the Air Quality Partnership (AQP) on a character branding project targeted to elementary school students.		
	1. Complete 3 outreach programs in elementary schools (one per county) that utilize the branded character to communicate the air quality message to its students.	• In-Progress	• 4Q/15
	2. Identify funding to sustain the branded character educational program.	• In-Progress	• Ongoing



## **2015 Air Toxics Strategic Plan – Mid-year Detailed Status Report**

2015	<b>Implement appropriate actions to reduce the harm from exposure to air toxics</b>	<b>6/30/15 Status</b>	<b>Expected Completion</b>
	4. Implement other air toxics-related communications and outreach programs		
	b. Implement other air toxics-related communications and outreach programs		
	iii. Continue to incorporate DAQ's moveable monitoring platform in educational programs, when appropriate.	• In-Progress	• Ongoing
	iv. Continue working with the DVRPC on educational programs for AQP.	• In-Progress	• Ongoing
	v. Provide guidance and assistance on development and implementation of DAQ's educational and outreach programs.		
	1. Delaware Envirothon.	• <b>Completed</b> in April	- - -
	2. Air Quality Awareness Week.	• <b>Completed</b> in April	- - -
	3. Delaware State Fair.	• In-Progress	• 8/31
	4. Delaware Coast Day.	• No activity this period	• 10/31
	5. Other opportunities, as identified.	• No activity this period	• Ongoing
	c. Continue to participate in Claymont Coalition meetings, as necessary.	• No activity necessary during this period	• Ongoing
	d. Continue to improve compliance with Delaware's open burning requirements.		
	i. Continue to provide information to the public on Delaware's open burning restrictions.		
	1. Provide case-by-case guidance to the public on residential burns.	• Continued to provide regulatory interpretation to public inquiries on a case-by-case basis	• Ongoing
	2. Provide ongoing guidance to the fire companies.	• Continued to provide regulatory interpretation on a case-by-case basis to inquiries relative to firefighting and building demolition	• Ongoing
	3. Provide case-by-case guidance for agricultural burns.	• Continued to provide regulatory interpretation on a case-by-case basis to inquiries from farmers relative to initial establishment of agricultural land, invasive species control, crop and field maintenance, etc.	• Ongoing
	4. Provide case-by-case guidance for silvicultural burns for disease control.	• Continued to provide regulatory interpretation on a case-by-case basis to inquiries from tree growers and the Delaware Forestry Service relative to disease management	• Ongoing
	ii. Continue to implement reconnaissance activities to identify and deter potential open burning activities.	• 11 interventions resulted through neighborhood watch programs and other reporting	• Ongoing
	iii. Continue to provide non-compliance prevention guidance for open burning activities.	• Responded to 378 calls during the period • Continued to share recently developed education material with public	• Ongoing

## **2015 Air Toxics Strategic Plan – Mid-year Detailed Status Report**

2015	<b>Implement appropriate actions to reduce the harm from exposure to air toxics</b>	<b>6/30/15 Status</b>	<b>Expected Completion</b>
	4. Implement other air toxics-related communications and outreach programs		
	d. Continue to improve compliance with Delaware's open burning requirements.		
	iv. Process notifications submitted for open burning.	<ul style="list-style-type: none"> <li>• Approved 89 notifications during this period</li> </ul>	<ul style="list-style-type: none"> <li>• Ongoing</li> </ul>
	e. Continue to improve the Area Source Compliance's educational, outreach, and communication programs by incorporating needed changes or additions.	<ul style="list-style-type: none"> <li>• No activity this period</li> </ul>	<ul style="list-style-type: none"> <li>• Ongoing</li> </ul>
	5. Continue to enhance the value and use of the air toxics information on DAQ's web sites.		
	a. Continue to expand and update the air toxics content on the DAQ's web site.	<ul style="list-style-type: none"> <li>• In-Progress</li> </ul>	<ul style="list-style-type: none"> <li>• Ongoing</li> </ul>
	b. Continue to provide pertinent and timely information to the public and regulated community on DAQ's web site during the adoption of or amendment to air toxics standards in Regulation 1138.	<ul style="list-style-type: none"> <li>• Created a new regulatory webpage for the planned revision of Section 6 of Reg. 1138 on May 21</li> <li>• Continued to update the Section 6 regulatory webpage to provide the latest information during the regulatory process <a href="http://www.dnrec.delaware.gov/Air/Pages/Section6Revision.aspx">http://www.dnrec.delaware.gov/Air/Pages/Section6Revision.aspx</a></li> </ul>	<ul style="list-style-type: none"> <li>• Ongoing</li> </ul>
	c. Continue to improve and enhance the content, ease of accessing, and information flow for "Air Toxics" on the DAQ web site.	<ul style="list-style-type: none"> <li>• Updated DAQ's Air Toxics Strategic Plan webpage to provide the public with new information on               <ul style="list-style-type: none"> <li>• The 2015 Air Toxics Strategic Plan on Jan. 9</li> <li>• The 2014 Air Toxics Strategic Plan year-end status reports on Mar. 30</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Ongoing</li> </ul>
	d. Review and update, if needed, to continuously improve the information on the Area Source Compliance's web pages.	<ul style="list-style-type: none"> <li>• Updated the List of Certified Emission Repair Technicians on Apr. 27</li> </ul>	<ul style="list-style-type: none"> <li>• Ongoing</li> </ul>
	6. Coordinate Air Toxics Area Source Program development, if any area source standards are newly promulgated or revised.		
	a. Coordinate the identification of known or potentially affected sources, update the area source inventory and send inventory report to EPA by 9/30, if required.	<ul style="list-style-type: none"> <li>• No new area source rules were proposed or finalized during this period, which would necessitate updating the inventory</li> </ul>	<ul style="list-style-type: none"> <li>• Ongoing</li> </ul>
	b. Coordinate the development and incorporation of new and newly revised standards into the Area Source Program – Implementation Plan as part of the Air Toxics Strategic Planning process.	<ul style="list-style-type: none"> <li>• No activity during this period</li> </ul>	<ul style="list-style-type: none"> <li>• 10/31</li> </ul>
	c. Update the Area Source Program – Implementation Plan by 10/31, if needed.	<ul style="list-style-type: none"> <li>• No activity during this period</li> </ul>	<ul style="list-style-type: none"> <li>• 10/31</li> </ul>
<b>New</b>	d. Complete and report to EPA Region 3 on the status of air toxics commitments for the 2015 - 105 Grant Work Plan by 9/30/15.	<ul style="list-style-type: none"> <li>• <b>Completed</b> the mid-year status report and <b>submitted</b> to EPA Region 3 on Mar. 31</li> <li>• Participated in the 105 Grant mid-year review meeting with EPA on May 27</li> </ul>	<ul style="list-style-type: none"> <li>• 9/31</li> </ul>

## **2015 Air Toxics Strategic Plan – Mid-year *Detailed* Status Report**

2015	<b>Implement appropriate actions to reduce the harm from exposure to air toxics</b>	<b>6/30/15 Status</b>	<b>Expected Completion</b>
	7. Adopt new and amend existing air toxics regulations for mobile and stationary sources.		
	a. Adopt new and/or amend existing regulations to reduce mobile source emissions, initially selecting from the following identified emission control strategies.		
	i. Reevaluate and develop path forward for amending Regulation 1131, which would expand the low enhanced inspection and maintenance (I/M) program statewide.	• No activity during this period.	• On hold
	ii. Adopt a new regulation to reduce emissions from motor vehicles by providing requirements for the use of aftermarket catalytic converters that is similar to an approved OTC model rule.	• No activity during this period.	• 12/31/16
	iii. Adopt a new regulation or amend Regulation 1131 to reduce emissions by providing diesel inspection and maintenance (I/M) program requirements for medium and heavy-duty diesel engines and equipment that is similar to an approved OTC model rule.	• No activity during this period.	• Unknown
	iv. Adopt a new regulation or amend existing Regulation 1145 to reduce excessive emissions from nonroad vehicles by providing anti-idling requirements that are similar to an approved OTC model rule.	• No activity during this period.	• Unknown
	b. Amend Section 36 of Regulation 1124 requirements applicable to Stage II vapor recovery controls at gasoline dispensing facilities (GDFs) by 12/31.	• Proposed amendment published in the Jun. 1 Delaware Register of Regulations • Public hearing was conducted on Jun. 25	• 9/30
	c. Adopt the Federal Subpart VVVVVV area source standard applicable to Chemical Manufacturing facilities into Regulation 1138.		
	i. Complete initial stringency determinations by 1Q/15.	• Began charting the multiple cross-references of regulatory requirements that are outside the purview of Sub VVVVVV in March	• 4Q/15
	ii. Submit Start Action Notice by 2Q/15.	• No activity during this period	• 4Q/15
	iii. Conduct public workshop(s) by 4Q/15.	• No activity during this period	• 2Q/16

## **2015 Air Toxics Strategic Plan – Mid-year *Detailed* Status Report**

2015	<b>Implement appropriate actions to reduce the harm from exposure to air toxics</b>	<b>6/30/15 Status</b>	<b>Expected Completion</b>
<b>NEW NEW NEW NEW</b>	7. Adopt new and amend existing air toxics regulations for mobile and stationary sources.		
	d. Amend Section 6 of Regulation 1138 to incorporated new monitoring requirements applicable to Chromium Electroplating facilities.		
	i. Submit Start Action Notice by 3Q/15.	• <b>Completed</b> on Feb. 23	---
	ii. Start Action Notice approved by 3/31.	• <b>Approved</b> on Apr. 14, under SAN 2015-01	---
	iii. Complete final draft of the amendment incorporating the monitoring requirements by 3/31.	• <b>Finalized</b> the Section 6 draft amendment on May 7 • Notified affected sources on May 11 and 13; provided sources with the final draft and other relevant documents	---
	iv. Complete and submit the proposal package for the amendment by 5/4.	• <b>Completed</b> on Jun. 11	---
	v. Conduct public hearing by 3Q/15.	• Public hearing is scheduled for Aug. 4; all legal notices were published	• 8/31
	e. Revise existing and develop new control strategies, as needed.		
	i. Develop path forward for applicable area source air toxics and incinerator standards finalized in 2015.	• Reviewed the following finalized standards and determined no future action was required • Area source PVC and copolymer production (40 CFR Part 63 Sub DDDDDD) on Feb. 4 • Coal & gas-fired EGUs (40 CFR Part 63 Sub UUUUU) on Mar. 24 • Chromium electroplating (40 CFR Part 63 Sub N) on Apr. 21	• Ongoing
	ii. Develop path forward for residual risk standards applicable area sources finalized in 2015.	• Reviewed the following finalized standards and determined no future action was required • Offsite waste & recovery operations (40 CFR Part 63 Sub DD) on Mar. 18 • Ferroalloy production (40 CFR Part 63 Sub XXX) on Jun. 30	• Ongoing
	iii. If DAQ identifies a local area or condition that results in unacceptable risk that needs to be addressed through a regulatory action, identify and convene the appropriate stakeholders to develop an appropriate regulatory path forward to address the unacceptable risk.	• No areas or conditions of unacceptable air toxics risk identified during this period	• Ongoing
	8. Identify regulatory deficiencies, implementation problems, and training needs and recommend appropriate solutions.	• Provide comments on proposed revisions to the DNREC “Regulatory Development Process” policy to DAQ management on Apr. 28	• Ongoing

## **2015 Air Toxics Strategic Plan – Mid-year *Detailed* Status Report**

2015	<b>Implement appropriate actions to reduce the harm from exposure to air toxics</b>	<b>6/30/15 Status</b>	<b>Expected Completion</b>
	9. Continue to provide air toxics-related support to State through . . .		
	a. Reviewing of air permits.	<ul style="list-style-type: none"> <li>• No requests during this period</li> </ul>	<ul style="list-style-type: none"> <li>• Ongoing</li> </ul>
	b. Providing current regulatory interpretations.	<ul style="list-style-type: none"> <li>• Responded to a Broadkill Beach citizen's inquiry on emissions from large marine vessel's engines on Jan. 20 by providing information and links to international (IMO &amp; MARPOL) and federal (USCG) agencies that have regulatory authority</li> <li>• Provide regulatory bases for implementing case-by-case air toxics standards under Reg. 1130 Title V Operating Permits on Apr. 28</li> <li>• Provided an consultant with a mechanism to submit initial notification under 40 CFR Part 63 Sub 6Cs on May 27, since Delaware has yet to adopt this area source standard</li> </ul>	<ul style="list-style-type: none"> <li>• Ongoing</li> </ul>
	c. Advising on likely future trends and actions.	<ul style="list-style-type: none"> <li>• No requests during this period</li> </ul>	<ul style="list-style-type: none"> <li>• Ongoing</li> </ul>
	d. Providing technical support.		
	i. On air toxics-related issues during the amendment to decommission Stage 2 vapor recovery at gasoline dispensing facilities under Section 36 of Regulation 1124.	<ul style="list-style-type: none"> <li>• No requests during this period</li> </ul>	<ul style="list-style-type: none"> <li>• Ongoing</li> </ul>
	ii. To DAQ's "Communities" committee.	<ul style="list-style-type: none"> <li>• Provided "Communities" committee with the remaining information requested during the Nov. 20 meeting on Jan. 26, which included a listing of the overall "10" HAPs that pose the greatest health (cancer and non-cancer) impacts</li> <li>• Continued to review and provide comments/perspectives to DAQ management during the revision of the initial "Communities" goals during February and March in the run up to the Mar. 23 committee meeting</li> <li>• Continued to provide comments/perspectives during the development of the "Key Steps" and "Tactical Steps" associated with the revised "Communities" goals after the Mar. 23 committee meeting</li> </ul>	<ul style="list-style-type: none"> <li>• Ongoing</li> </ul>

## **2015 Air Toxics Strategic Plan – Mid-year *Detailed* Status Report**

2015	<b>Implement appropriate actions to reduce the harm from exposure to air toxics</b>	<b>6/30/15 Status</b>	<b>Expected Completion</b>
<b>NEW</b>	9. Continue to provide air toxics-related support to State through . . .		
	d. Providing technical support. iii. To Engineering and Compliance personnel, where appropriate.	<ul style="list-style-type: none"> <li>• Provided regulatory interpretation, comments, and guidance for responding to facilities' request for an extension from compliance for</li> <li>• Selected monitoring requirements under 40 CFR Part 63 Sub FFFFFFFF (polyvinyl chloride manufacturing) in January, April and May</li> <li>• Selected monitoring, recordkeeping and reporting requirements under 40 CFR Part 63 Sub UUUUUU (coal and gas-fired EGUs) in April</li> <li>• Identified four 40 CFR Part 63 standards ( 2 MACT and 2 area source GACT) that could potentially be applicable to paper printing facilities on June 4</li> </ul>	<ul style="list-style-type: none"> <li>• Ongoing</li> </ul>
	iv. Others.	<ul style="list-style-type: none"> <li>• Provided comments on DOJ's 'Brief on Mercury and Air Toxics Standard (MATS)' on Feb. 12</li> <li>• Provided requested information on Delaware's air toxics program to South Carolina Dept. of Health and Environment on Feb. 22</li> <li>• Engaged the Delaware Environmental Health Evaluation Branch (EHEB) on May 1 to assist a Wilmington facility that was experiencing higher than expected illness amongst employees</li> <li>• Provided background and comparative information to DAQ management in June on the characterization of risk of adverse health impacts by Massachusetts' Dept. of Environmental Protection, as compared to Delaware's characterization</li> </ul>	<ul style="list-style-type: none"> <li>• Ongoing</li> </ul>

## **2015 Air Toxics Strategic Plan – Mid-year Detailed Status Report**

2015	<b>Evaluate the effectiveness of the actions taken to reduce harm from exposure to air toxics</b>	<b>6/30/15 Status</b>	<b>Expected Completion</b>
	1. Monitor, pending network review to meet changing resources, for carbonyls and metals at one (1) air toxic monitoring station and VOCs at two (2) air toxic monitoring stations and report status of monitoring activities to EPA R3, as appropriate.	<ul style="list-style-type: none"> <li>• Six months of sampling successfully completed at both monitoring stations</li> </ul>	<ul style="list-style-type: none"> <li>• Ongoing</li> </ul>
	2. Track the emissions of air toxics of concern from significant sources contributing to elevated risks from exposure to air toxics, as needed.	<ul style="list-style-type: none"> <li>• No activity during this period</li> </ul>	<ul style="list-style-type: none"> <li>• Ongoing</li> </ul>
	3. By September, complete a self-assessment of major stationary source air toxics reduction and outreach programs undertaken or in progress to determine effectiveness, impacts, and improvements. Incorporate results into the respective programs.	<ul style="list-style-type: none"> <li>• No activity during this period</li> </ul>	<ul style="list-style-type: none"> <li>• Ongoing</li> </ul>
	4. Insure continued or improved compliance of stationary sources.		
	a. Continue to perform full compliance evaluations (FCEs) of facilities subject to major air toxics source standards (i.e. MACT and residual risk standards) in accordance with the 2014-15 Compliance Monitoring Plan (CMP).	<ul style="list-style-type: none"> <li>• <b>Completed</b> 8 FCEs in 2014</li> <li>• <b>Completed</b> 5 FCEs during this period               <ul style="list-style-type: none"> <li>• Fisker</li> <li>• Handy Tube</li> <li>• Hirsh</li> <li>• Indian River Power</li> <li>• Wilmington Wastewater Treatment Plant</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• 9/30</li> </ul>
	b. Perform full compliance evaluations (FCEs) of facilities subject to area source air toxics standards as follows:		
	i. The 2 chrome plating facilities, subject to Reg. 1138 Section 6, during the 2014-15 timeframe.	<ul style="list-style-type: none"> <li>• No FCEs completed during this period</li> </ul>	<ul style="list-style-type: none"> <li>• 9/30</li> </ul>
	ii. The 1 hazardous waste combustor, subject to Federal Subpart EEE, during the 2014-15 timeframe.	<ul style="list-style-type: none"> <li>• No FCE completed during this period</li> </ul>	<ul style="list-style-type: none"> <li>• 9/30</li> </ul>
	iii. The 3 municipal solid waste landfills, subject to Federal Subpart AAAA, during the 2014-15 timeframe.	<ul style="list-style-type: none"> <li>• Previously completed FCEs at these 3 facilities during 2014</li> </ul>	<ul style="list-style-type: none"> <li>• - - -</li> </ul>
	iv. The 1 hospital ethylene oxide sterilization facilities, subject to Reg. 1138 Section 9, during the 2014-15 timeframe.	<ul style="list-style-type: none"> <li>• No FCE completed during this period</li> </ul>	<ul style="list-style-type: none"> <li>• 9/30</li> </ul>
	v. The 1 lead acid battery manufacturing plant, subject to Reg. 1138 Section 11, during the 2014-15 timeframe.	<ul style="list-style-type: none"> <li>• No FCE completed during this period</li> </ul>	<ul style="list-style-type: none"> <li>• 9/30</li> </ul>
	vi. The 2 plating and polishing operations, subject to Reg. 1138 Section 10, during the 2014-15 timeframe.	<ul style="list-style-type: none"> <li>• No FCEs completed during this period</li> </ul>	<ul style="list-style-type: none"> <li>• 9/30</li> </ul>
	vii. The 3 miscellaneous parts and products surface coating facilities, subject to Reg. 1138 Section 14, during the 2014-15 timeframe.	<ul style="list-style-type: none"> <li>• Completed one of 3 FCEs during this period</li> </ul>	<ul style="list-style-type: none"> <li>• 9/30</li> </ul>
	viii. The 1 asphalt processing and asphalt roofing products manufacturing operation, subject to Reg. 1138 Section 16, during the 2014-15 timeframe.	<ul style="list-style-type: none"> <li>• Completed FCE at this facility during this period</li> </ul>	<ul style="list-style-type: none"> <li>• - - -</li> </ul>

## **2015 Air Toxics Strategic Plan – Mid-year Detailed Status Report**

2015	<b>Evaluate the effectiveness of the actions taken to reduce harm from exposure to air toxics</b>	<b>6/30/15 Status</b>	<b>Expected Completion</b>
	4. Insure continued or improved compliance of stationary sources.		
	b. Perform full compliance evaluations (FCEs) of facilities subject to area source air toxics standards as follows:		
	ix. The 1 secondary aluminum production operation, subject to Reg. 1138 Section 12, during the 2014-15 timeframe.	• Completed FCE at this facility during this period	- - -
	x. The 2 chemical manufacturing operations, subject to Federal Subpart VVVVVV, during the 2014-15 timeframe.	• No FCEs completed during this period	• 9/30
	xi. The 5 prepared feed operations, subject to Reg. 1138 Section 17, during the 2014-15 timeframe.	• No FCEs completed during this period	• 9/30
	xii. The 1 gasoline distribution operation, subject to Federal Subpart BBBB, during the 2014-15 timeframe.	• Previously completed FCE at this facility during 2014	- - -
	xiii. Other area source air toxics standards covered during the 2014-15 timeframe.	• Previously completed FCEs at 3 facilities during 2014 • Completed 1 FCE during this period	• 9/30
	c. By 9/30, perform compliance evaluations (CE) at area air toxics sources as follows:		
	i. 20% or ~10 perchloroethylene dry cleaning facilities subject to 1138 Sect 5; total population is 49 facilities.	• Completed 10 compliance evaluations (or 16% of current population) during this period	• Ongoing
	ii. 20% or ~14 motor vehicle and mobile equipment surface coating facilities subject to 1124 Sect 11 and 1138 Sect 15; total population is 68 facilities.	• Completed 4 compliance evaluations (or ~6% of current population) during this period	• Ongoing
	iii. 10% or 67 gasoline delivery vessels; total population is 677 facilities.	• Performed perceptible leak tests on 13 GDVs during delivery transfers at gasoline stations (or ~2% of the permitted GDVs) during this period	• Ongoing
		• Continued to provide compliance assistance to GDV fleet owners in meeting annual testing and permitting requirements	• Ongoing
	d. Track annual testing of Stage II vapor recovery system for gasoline dispensing facilities that are subject to testing requirements per the California Air Board requirements that are applicable to the system.	• Tracked 192 tests of the vapor recovery systems at 175 GDFs (~52% of current GDFs)	• Ongoing
	e. Conduct inspections at one third (1/3) of the regulated gasoline dispensing facilities, subject to Regulation 1124, during 2015; total population is ~339 facilities.	• Conducted inspections at 52 regulated GDFs (~16% of regulated GDFs)	• Ongoing
	f. Continue to implement the Asbestos Demolition/Renovation Program.		
	i. Perform site inspections at asbestos demolition/renovation sites.	• <b>Completed</b> inspection of 283 sites; many of these sites required multiple visits during this period	• Ongoing
	5. Conduct annual “remote sensing” studies to meet ozone State Implementation Plan requirements.	• Arranged for the next remote sensing study to be undertaken in August	• 4Q/15



## **2015 Air Toxics Strategic Plan – Mid-year *Detailed* Status Report**

2015	<b>Evaluate the effectiveness of the actions taken to reduce harm from exposure to air toxics</b>	<b>6/30/15 Status</b>	<b>Expected Completion</b>
	6. Continue to audit inspection and maintenance (I/M) program and submit annual I/M report to EPA R3, if appropriate.	<ul style="list-style-type: none"> <li>Continued to conduct QA/QC performance audits of DMV motor vehicle technicians and emissions testing equipment</li> <li>Annual I/M report draft is complete and under internal review</li> </ul>	<ul style="list-style-type: none"> <li>Ongoing</li> <li>7/31</li> </ul>
	7. Evaluate compliance to motor vehicle registration denials resulting from failed emissions tests (i.e. using DELJIS data).	<ul style="list-style-type: none"> <li>DELJIS data (i.e., arrests made in 2014) were included in the annual I/M report</li> </ul>	<ul style="list-style-type: none"> <li>7/31</li> </ul>
	8. Audit and evaluate waivers issued by DelDOT.	<ul style="list-style-type: none"> <li>Auditing of CY 2015 waivers commenced and will continue through the balance of the calendar year; findings will be reported in Jan. 2016</li> </ul>	<ul style="list-style-type: none"> <li>1Q/16</li> </ul>

## **2015 Air Toxics Strategic Plan – Mid-year *Detailed* Status Report**

2015	<b>Identify options for reducing air toxics in the environment</b>	<b>6/30/15 Status</b>	<b>Expected Completion</b>
	1. Implement a risk-based process that identifies, assesses and mitigates unacceptable air toxics impacts.		
	a. Participate in DAQ's risk management process to identify, assess, and mitigate local areas or conditions of unacceptable air toxics impacts.	<ul style="list-style-type: none"> <li>• No areas or conditions of unacceptable air toxics risk identified during this period</li> </ul>	<ul style="list-style-type: none"> <li>• Ongoing</li> </ul>
	b. Continue to participate in the development of the 'Community Priority Project' and incorporate identified monitoring activities into the Air Toxics Strategic Plan, when project development is finalized.	<ul style="list-style-type: none"> <li>• Participated in the 2<sup>nd</sup> "Communities" committee meeting on Mar. 23</li> <li>• The development of the "Key Steps" and "Tactical Steps" associated with the "Communities" goals is underway, but has not been finalized</li> </ul>	<ul style="list-style-type: none"> <li>• Ongoing</li> </ul>
	c. Continue to participate in the development of the 'Community Priority Project' and incorporate identified stationary source activities into the Air Toxics Strategic Plan, when project development is finalized.	<ul style="list-style-type: none"> <li>• Participated in the 2<sup>nd</sup> "Communities" committee meeting on Mar. 23</li> <li>• The development of the "Key Steps" and "Tactical Steps" associated with the "Communities" goals is underway, but has not been finalized</li> </ul>	<ul style="list-style-type: none"> <li>• Ongoing</li> </ul>
	d. Continue to participate in the development of the 'Community Priority Project' and incorporate identified educational and outreach activities into the Air Toxics Strategic Plan, when project development is finalized.	<ul style="list-style-type: none"> <li>• Participated in the 2<sup>nd</sup> "Communities" committee meeting on Mar. 23</li> <li>• The development of the "Key Steps" and "Tactical Steps" associated with the "Communities" goals is underway, but has not been finalized</li> </ul>	<ul style="list-style-type: none"> <li>• Ongoing</li> </ul>
	e. Continue to participate in the development of the 'Community Priority Project' and incorporate identified emission inventory activities into the Air Toxics Strategic Plan, when project development is finalized.	<ul style="list-style-type: none"> <li>• Participated in the 2<sup>nd</sup> "Communities" committee meeting on Mar. 23</li> <li>• The development of the "Key Steps" and "Tactical Steps" associated with the "Communities" goals is underway, but has not been finalized</li> </ul>	<ul style="list-style-type: none"> <li>• Ongoing</li> </ul>
	f. Continue to participate in the development of the 'Community Priority Project' and incorporate identified modeling activities into the Air Toxics Strategic Plan, when project development is finalized.	<ul style="list-style-type: none"> <li>• No activity this period</li> </ul>	<ul style="list-style-type: none"> <li>• Resource limited</li> </ul>
	g. Continue to participate in the development of the DAQ's "Mobile Source" and "Greenhouse Gas" Priority projects and incorporate newly identified activities into the Air Toxics Strategic Plan, when project developments are finalized.	<ul style="list-style-type: none"> <li>• No activity during this period.</li> </ul>	<ul style="list-style-type: none"> <li>• Ongoing</li> </ul>

## **2015 Air Toxics Strategic Plan – Mid-year Detailed Status Report**

2015	<b>Identify options for reducing air toxics in the environment</b>	<b>6/30/15 Status</b>	<b>Expected Completion</b>
	2. Continue participation on internal, local, regional, and national committees to identify air quality problems related to air pollutants (i.e. greenhouse gases, criteria pollutants, and air toxics), to develop strategies, and to identify Delaware solutions.		
	a. Regional Greenhouse Gas Initiative.	• Continued to participate	• Ongoing
	b. NACAA Air Toxics Committee.	• Participated in the 3 NACAA Air Toxics committee conference calls during this period and provided summaries of the pertinent information discussed to DAQ management; completed follow-up activities, when needed	• Ongoing
	c. Transportation & Climate Initiative.	• Continued to participate	• Ongoing
	d. Clean Cities/States Program.	• Continued to participate	• Ongoing
	e. Mid-Atlantic Regional Air Management Association.	• Continued to participate	• Ongoing
	f. National Association of Clean Air Agencies.	• Continued to participate	• Ongoing
	g. Clean Fuel Standard.	• No activity during this period.	• On hold
	h. Northeastern States for Coordinated Air Use Management – LEV/ZEV Workgroups.	• Continued to participate	• Ongoing
	i. Ozone Transport Commission.	• Continued to participate	• Ongoing
	3. Continue working with the Transportation & Climate Initiative (TCI) to identify Delaware appropriate options to reduce greenhouse gases and air toxics from the transportation sector.	• DAQ staff continued to participate in TCI activities. • DAQ staff is currently developing a list of mitigation measures for consideration by the transportation sector	• Ongoing
	4. Initiate and continue to include, where applicable, the mobile source air toxics issues in programs and activities, which previously addressed only criteria pollutants.		
	a. Participate in inter-agency consultation workgroup's 8-hour conformity determinations for New Castle, Kent and Sussex Counties. Report status to EPA R3, as appropriate.	• DAQ staff continues to participate in the inter-agency consultation process via WILMAPCO and the Dover/Kent MPO.	• Ongoing
	b. Continue to provide comments and/or recommendations to the MPOs and DelDOT on the priority of funding projects with CMAQ funds. Report status to EPA R3, as appropriate.	• DAQ staff continues to provide input and comments on the projects utilizing CMAQ funds.	• Ongoing
	5. Continue participation in the Mid Atlantic Diesel Collaborative (MADC) projects and report status to EPA R3, if appropriate.	• DAQ staff participated MADC's May 21 webinar on the "Health Effects from Diesel Exhaust"	• Ongoing
	6. Continue to promote transit oriented design that encourages consideration of impact of mobile source emissions.	• DAQ staff continues to promote transit oriented design through written recommendations to developers, towns, cities, and counties via the monthly Preliminary Land Use Service (PLUS) process, as well as the county Technical Advisory Committee process.	• Ongoing

## **2015 Air Toxics Strategic Plan – Mid-year *Detailed* Status Report**

2015	<b>Identify options for reducing air toxics in the environment</b>	<b>6/30/15 Status</b>	<b>Expected Completion</b>
	7. Continue to evaluate federal stationary source rulemakings, communicate impacts internally and provide comments on the rules, as appropriate. Collaborate and maintain open communications with rulemaking involving joint responsibilities.		
	a. Newly proposed amendments to federal air toxics and incinerator standards.	<ul style="list-style-type: none"> <li>• The EPA published a re-proposed GACT standard for 40 CFR Part 63 Sub JJJJJ (area source boilers) on Jan. 21; reviewed and submitted comments on the re-proposal to the EPA on Mar. 9</li> <li>• The EPA published a notification of the receipt of complete petitions to add the n-propyl bromide (nPB) to the list of HAPs contained in Section 112(b)(1) on Feb. 6; reviewed and submitted comments supporting the addition of nPB to the EPA on Mar. 9</li> <li>• Reviewed the following EPA proposals and determined that no comments were warranted:               <ul style="list-style-type: none"> <li>• 40 CFR Part 63 Sub DDDDD (major source boilers)</li> <li>• 40 CFR Part 60 Sub CCCC and Sub DDDD (new and existing commercial and industrial solid waste incinerators)</li> <li>• 40 CFR Part 63 Sub DDDDDD (area source polyvinyl chloride and copolymers production facilities)</li> <li>• 40 CFR Part 63 Sub N (chromium electroplating and anodizing operations)</li> <li>• 40 CFR Part 62 Sub LLL (sewage sludge incinerators)</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Ongoing</li> </ul>
	b. Newly proposed federal residual risk standards.	<ul style="list-style-type: none"> <li>• The EPA published a re-proposed RTR standard for 40 CFR Part 63 Sub RRR (aluminum sweat furnaces, etc.) on Dec. 8; reviewed and submitted comments on the re-proposal to the EPA on Feb. 6</li> <li>• The EPA published the proposed RTR standards for 40 CFR Part 63 Sub GG (aerospace manufacturing and rework facilities) on Feb. 17; reviewed the proposal on Feb. 20 and determined that no comments were warranted</li> </ul>	<ul style="list-style-type: none"> <li>• Ongoing</li> </ul>
	8. Continue to implement review protocols and evaluate federal stationary source rulemakings, communicate impacts internally and provide comments on the proposed rules, as appropriate.		
	a. Newly proposed amendments to federal air toxics and incinerator standards.	<ul style="list-style-type: none"> <li>• No new standards to review</li> </ul>	<ul style="list-style-type: none"> <li>• Ongoing</li> </ul>
	b. Newly proposed federal residual risk standards.	<ul style="list-style-type: none"> <li>• No new standards to review</li> </ul>	<ul style="list-style-type: none"> <li>• Ongoing</li> </ul>

## **2015 Air Toxics Strategic Plan – Mid-year *Detailed* Status Report**

2015	<b>Identify options for reducing air toxics in the environment</b>	<b>6/30/15 Status</b>	<b>Expected Completion</b>
<b>New</b>	9. Develop and implement Stage II decommissioning strategy for gasoline dispensing facilities.	<ul style="list-style-type: none"> <li>Continued to provide information and technical support during this period to assist DAQ's re-proposal of a Stage II decommissioning strategy under Section 36 of Reg. 1124</li> </ul>	<ul style="list-style-type: none"> <li>Ongoing</li> </ul>
	10. Develop knowledge on the growing use of n-propyl bromide (nPB), which is classified as reasonably anticipated to be a human carcinogen, as a cleaning solvent alternative for perchloroethylene in Delaware dry cleaning facilities.	<ul style="list-style-type: none"> <li>Identified two facilities that have switched from perchloroethylene to nPB</li> <li>Visited both dry cleaning facilities and talked with the owners</li> <li>Provided comments (based on conversations with the above owners) that were incorporated into Delaware's Mar. 9 comments to the EPA regarding a petition to add nPB to the official list of hazardous air pollutants</li> <li>Completed a compliance evaluation under Section 38 of Reg. 1124 on Mar. 26 at one of the sources</li> </ul>	<ul style="list-style-type: none"> <li>Ongoing</li> </ul>
	11. Provide technical assistance on lightering operations to DAQ, as needed.	<ul style="list-style-type: none"> <li>Provided information to the New Jersey's Dept. of Environmental Protection on Delaware's lightering regulatory experience in March and April</li> </ul>	<ul style="list-style-type: none"> <li>Ongoing</li> </ul>

## 2015 Air Toxics Strategic Plan – Mid-year *Detailed* Status Report

2015	<b>Build greater understanding of ambient air toxics environment</b>	<b>6/30/15 Status</b>	<b>Expected Completion</b>
	1. Determine ambient air toxics concentrations for selected HAPs in Delaware.		
	a. Monitor, pending network review to meet changing resources, for carbonyls and metals at one (1) air toxic monitoring station and VOCs at two (2) air toxic monitoring stations and report status of monitoring activities to EPA R3, as appropriate.	• Six months of sampling successfully completed at both monitoring stations	• Ongoing
	b. Submit quarterly air toxics monitoring data to national AQS database following data validation.	• All validated results were submitted to EPA	• Ongoing
	c. Collaborate with University of Delaware on air toxics research and special projects, when appropriate.	• No activity this period	• Ongoing
	d. Continue to identify funding requirements and sources, as well as, staffing needed to fully utilize the air toxics analytical lab.	• No activity this period	• Ongoing
	e. Continue to support the gas chromatographic mass spectrometer platform operations and maintenance through additional monitoring activities.	• The GC/MS was used to analyze samples collected at Delaware City using the TO-17 Method.	• Ongoing
	f. Undertake new or special monitoring needs that may surface.		
	i. Undertake air toxics monitoring projects in the vicinity of the Delaware City Refinery (DCR).		
	1. Complete the community monitoring project measuring air toxics concentrations associated with the emissions from the diesel locomotives transport of crude oil to the DCR fuel unloading operation during 1Q15.		
	A. Design and implement the monitoring project.	• Collected data between 11/7/14 and 3/30/15	- - -
	B. Analyze the monitoring data collected.	• Began the analysis of the collected data	• 9/30
	C. Issue final project report.	• No activity during this period	• 12/31
	2. Commence a community monitoring project measuring BTEX concentrations associated with the unloading of crude oil and marine vessel engine exhaust at the DCR fuel unloading operation; complete the monitoring program during 3Q15.		
	A. Design and implement the monitoring project.	• Commenced preparation of the moveable monitoring platform for a 3-month deployment beginning in July	• 12/31
	B. Analyze the monitoring data collected.	• No activity during this period	• 1Q/16
	C. Issue final project report.	• No activity during this period	• 3Q/16

## 2015 Air Toxics Strategic Plan – Mid-year *Detailed* Status Report

2015	<b>Build greater understanding of ambient air toxics environment</b>	<b>6/30/15 Status</b>	<b>Expected Completion</b>
<b>New</b>	1. Determine ambient air toxics concentrations for selected HAPs in Delaware.		
	f. Undertake new or special monitoring needs that may surface.		
	i. Undertake air toxics monitoring projects in the vicinity of the Delaware City Refinery (DCR).		
	3. Identify and implement other air toxics monitoring opportunities that would utilize the capabilities of the WTS field gas chromatograph deployed in the moveable monitoring platform.	• No activity this period	• Ongoing
	4. Identify and implement other air toxics monitoring opportunities that would utilize the capabilities of the in-house gas chromatographic mass spectrometer platform with adsorption tube technology deployed in the moveable monitoring platform.	• Continued to analyze samples gathered at the Delaware City stationary monitoring station	• Ongoing
	ii. In collaboration with WILMAPCO and the Nemours Foundation, design and undertake a monitoring program measuring mobile source particulate associated with an anti-idling program currently under development by the partners.		
	1. Design and implement the monitoring project.	• Commenced development of the initial monitoring project, which should be in place by late Sep. or early Oct.	• 12/31
	2. Analyze the monitoring data collected.	• No activity this period	• 2Q/16
	3. Issue final project report.	• No activity this period	• 3Q/16
	iii. Undertake air toxics monitoring projects using the moveable monitoring platform where modeling results predict high concentrations or where the public has expressed concern.	• No specific public concern was expressed during this period • No modeling resources were available during this period	• Ongoing • On hold
	2. Provide air toxics modeling support to meet community needs.	• No activity this period	• Resource limited
	3. Continue to incorporate DAQ's branded message design as new media or forums are identified.	• In-Progress	• Ongoing

## **2015 Air Toxics Strategic Plan – Mid-year Detailed Status Report**

2015	Identify potential harm from exposure to air toxics	6/30/15 Status	Expected Completion
	1. Identify the potential for unacceptable air toxics impacts.		
	a. Provide modeling support to assist DAQ's risk management program, including providing screen modeled risk results using new monitoring or inventory information, if available.	• No activity this period	• Resource limited
	b. Identify potentially higher risk locations for siting the moveable monitoring platform, using existing local-scale modeled results.	• No activity this period	• Resource limited
	c. Continue to perform screen modeling to address potential air toxics risks during the permitting of new or modified stationary sources.	• No activity required during this period	• Ongoing
	d. Coordinate DPH risk assessment support when DAQ's risk management process activities identify potentially unacceptable air toxics impacts.	• No DAQ risk management process activities were undertaken during this period	• Ongoing
	2. Continue to provide historical and projected emissions information in support of DAQ's air toxics modeling activities to identify unacceptable air toxics impacts.	• No activity during this period	• Ongoing
	3. Analyze monitoring data from completed special monitoring projects and refine air toxics model, if appropriate.		
	a. Provide modeling support to DAQ's special monitoring projects.	• No activity this period	• Resource limited
	4. Provide modeling support to Engineering & Compliance (E&C) associated with risk-based permitting decisions, as needed.	• No activity this period	• Resource limited
	5. Provide modeling support to Planning Branch associated with risk-based regulatory development (e.g., Stage II decommissioning), as needed.	• No activity this period	• Resource limited
	6. Initiate a dialogue with the Division of Public Health to identify appropriate and Delaware-specific air pollution-related "markers" for future activities undertake under the DAQ's risk management process.	• No activity during this period	• Ongoing
	7. Continue to follow the EPA's development and rollout of the 2011 National Air Toxics Assessment (NATA) and communicate on progress being made and provide comments, as appropriate.	<ul style="list-style-type: none"> <li>Validated accuracy of EPA's 2011 NATA (Version 2) results for 'high risk' stationary sources with Emissions Inventory Group on Jan. 28</li> <li>Notified the EPA on Feb. 3 that Delaware concurred with Version 2 projected emissions for 'high risk' sources</li> </ul>	• 4Q15
	8. Review the EPA 2011 NATA results, when published, communicate their findings, and respond to inquiries, as appropriate.	• No additional NATA results were made available during this period	• 4Q15



## **2015 Air Toxics Strategic Plan – Mid-year *Detailed* Status Report**

2015	<b>Gather information related to air toxics sources</b>	<b>6/30/15 Status</b>	<b>Expected Completion</b>
	1. Develop and submit the 2014 National Emissions Inventory for HAPs by 12/31/15.	<ul style="list-style-type: none"> <li>Inventory development was underway on VOC and significant VOC-HAP emissions from point and non-point stationary sources</li> </ul>	<ul style="list-style-type: none"> <li>12/31</li> </ul>
	2. Continue to provide emissions inventory support to the air toxics education and reduction programs, as required.	<ul style="list-style-type: none"> <li>No activity during this period</li> </ul>	<ul style="list-style-type: none"> <li>Ongoing</li> </ul>
	3. Track the emissions of air toxics of concern from significant sources contributing to elevated risks from exposure to air toxics, as needed.	<ul style="list-style-type: none"> <li>No activity during this period</li> </ul>	<ul style="list-style-type: none"> <li>Ongoing</li> </ul>
	4. By 12/31, identify and enter into DENs all new or previously unknown affected sources which are subject to any area source standards promulgated under 112(d) or 112(k) of the CAA.	<ul style="list-style-type: none"> <li>DENs being modified to accept area source GACT standards</li> </ul>	<ul style="list-style-type: none"> <li>3Q15</li> </ul>
	5. Identify and enter into ICIS (via DENs) all new or previously unknown affected sources which are subject to perchloroethylene dry cleaning standard (1138 Sect 5), methylene chloride paint stripping standard (1138 Sect 13), and motor vehicle and mobile equipment surface coating standard (1138 Sect 15), as well as gasoline delivery vessels.	<ul style="list-style-type: none"> <li>Due to significant progress made in 2014, the entry of source information has been greatly simplified; source information entered, where warranted</li> </ul>	<ul style="list-style-type: none"> <li>Ongoing</li> </ul>
	6. Continue to quantify and compare annual VOC emissions from Delaware collision repair activities to the currently established emissions factors.	<ul style="list-style-type: none"> <li>Receipt of 2014 VOC data from the collision repair sector complete</li> <li>Assessment of the 2014 VOC data is underway</li> <li>Continuing to collect and compile submitted 2015 information</li> </ul>	<p style="text-align: center;">- - -</p> <ul style="list-style-type: none"> <li>4Q15</li> <li>Ongoing</li> </ul>
	7. Submit UST Semiannual Activities Reports to the EPA by April 30 and October 31, 2015.	<ul style="list-style-type: none"> <li>Submitted UST Semiannual Activities Report in April</li> </ul>	<ul style="list-style-type: none"> <li>10/31</li> </ul>
	8. Assist in the identification of known or potentially affected sources for newly promulgated area source standards, as needed.	<ul style="list-style-type: none"> <li>No requests for assistance in identifying affected sources received during this period</li> </ul>	<ul style="list-style-type: none"> <li>Ongoing</li> </ul>
	9. Monitor and maintain the Delaware Online Asbestos Notification System (DOANS).	<ul style="list-style-type: none"> <li>Continued to</li> <li>Edit the active user database</li> <li>Provide data entry for new notifications</li> </ul>	<ul style="list-style-type: none"> <li>Ongoing</li> </ul>

## **2015 Air Toxics Strategic Plan – Mid-year *Detailed* Status Report**

2015	<b>Continue to grow the ongoing program to address the risks from exposure to air toxics</b>	<b>6/30/15 Status</b>	<b>Expected Completion</b>
	1. Continue to build the strategic planning capacity to implement risk-based reduction programs to mitigate any unacceptable air toxics impacts.		
	a. Review status and complete year-end status report on the 2014 individual Strategic Plans.	• <b>Completed</b> on Feb. 5	- - -
	b. Track implementation and report year-end-status of the 2014 Air Toxics Strategic Plan by 3/31/15.	• <b>Completed</b> the detailed and summary 2014 ATSP year-end status reports on Mar. 9 • These 2014 ATSP year-end status reports were published on the DAQ webpage on Mar. 30	- - -
	c. Review status and complete mid-year status report on the 2015 individual Strategic Plans.	• No activity during this period	• 7/31
	d. Track implementation and report mid-year status on the 2015 Air Toxics Strategic Plan by 9/30/15.	• The mid-year status report templates were developed and provided to ATSP participating groups on June 12	• 9/30
	e. Continue to conduct gap analyses within the risk-based strategic planning process and incorporate the results into the development of the 2016 Air Toxics Strategic Plan.	• No activity during this period	• Ongoing
	f. Updating of the Air Toxics Strategic Plan for 2016-2020		
	i. Review and revise, if needed, air toxics area source program and timing, as part of the 2016 Air Toxics Strategic Plan by 10/31.	• No activity during this period	• 10/31
	ii. Review and revise, if needed, air toxics area source activities and timing, as part of the 2016 Air Toxics Strategic Plan by 11/30.	• No activity during this period	• 11/30
	iii. Coordinate development of the 2016 Air Toxics Strategic Plan.	• No activity during this period	• 12/31
	iv. Update individual Strategic Plans for 2016-2020.	• No activity during this period	• 11/30
	v. Update and finalize 2016 Air Toxics Strategic Plan for years 2016 to 2020 by 12/31/15.	• No activity during this period	• 12/31
	vi. Continue to participate in the development of the ‘Community Priority Project’ and incorporate identified regulatory and planning activities into the Air Toxics Strategic Plan, when project development is finalized.	• Participated in the 2 <sup>nd</sup> “Communities” committee meeting on Mar. 23 • The development of the “Key Steps” and “Tactical Steps” associated with the “Communities” goals is underway, but has not been finalized	• Ongoing

## **2015 Air Toxics Strategic Plan – Mid-year *Detailed* Status Report**

2015	<b>Air toxics resource development</b>	<b>6/30/15 Status</b>	<b>Expected Completion</b>
	1. Evaluate available training and encourage broader participation in risk-related training.		
	a. Continue to identify air toxics related training, workshops and forums; encourage participation, when appropriate.	<ul style="list-style-type: none"> <li>• Participated in the following air toxics related training webinars and workshop:               <ul style="list-style-type: none"> <li>• “Draft Environmental Justice 2020 Action Agenda framework” webinar provided by the EPA on May 7</li> <li>• “EJScreen Overview” workshop provided by EPA Region 3 on May 19</li> <li>• “Health Effects from Diesel Exhaust” webinar provided by the Mid-Atlantic Diesel Collaborative on May 21</li> <li>• “EJSCREEN: EPA’s Environmental Justice Tool” webinar provided by the EPA on May 28</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Ongoing</li> </ul>
	b. Participate in national and EPA air dispersion modeling programs or training specific to air toxics characterization.	<ul style="list-style-type: none"> <li>• No activity this period</li> </ul>	<ul style="list-style-type: none"> <li>• Resource limited</li> </ul>
	c. Evaluate the need for air toxics-related training for staff and present, as needed.	<ul style="list-style-type: none"> <li>• Staff participated in the following air toxics-related training               <ul style="list-style-type: none"> <li>• EPA Region 3’s EJSCREEN briefing on May 19</li> <li>• MDC’s Health Effects from Diesel Exhaust on May 21</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Ongoing</li> </ul>
	d. Determine if recently promulgated air toxics standards (MACT, Residual Risk or Area Source GACT) should be presented to staff.	<ul style="list-style-type: none"> <li>• No new standards to review</li> </ul>	<ul style="list-style-type: none"> <li>• Ongoing</li> </ul>
	2. Continue to assess and pursue implementation of a process for multi-agency sharing of source information for new and existing sources.	<ul style="list-style-type: none"> <li>• Identified two new avenues for source information exchange and began working to develop a cooperative agreements with               <ul style="list-style-type: none"> <li>• DNREC’s Boiler Safety Program on auto-body shop permitting information and</li> <li>• DNREC’s Small Business Ombudsman on new or recently established facilities</li> </ul> </li> <li>• Continued to exchange auto-body shop inspection results with DNREC’s Groundwater Discharge Section</li> </ul>	<ul style="list-style-type: none"> <li>• Ongoing</li> <li>• Ongoing</li> </ul>
	3. Continue to implement newly found mechanisms to improve air toxics communications between branches.	<ul style="list-style-type: none"> <li>• No activity during this period</li> </ul>	<ul style="list-style-type: none"> <li>• Ongoing</li> </ul>